

Title (en)

UV attenuation filter

Title (de)

Ultraviolettlicht-Abschwächungsfilter

Title (fr)

Filtre pour l'atténuation de rayons ultraviolets

Publication

EP 1260835 B1 20060719 (DE)

Application

EP 02011010 A 20020517

Priority

DE 10127225 A 20010522

Abstract (en)

[origin: EP1260835A2] UV attenuation filter (1) comprises a substrate (3) made of light-permeable material and at least one filter layer (5) applied onto one surface (4) of the substrate. The filter layer has at least one layer of dielectric material absorbing light in a specified wavelength region. Preferred Features: The dielectric material of the filter layer is tantalum oxide. A dielectric antireflection coating (15) is arranged on the filter layer. The antireflection coating comprises a layer (16) consisting of a material having a high refractive index (aluminum oxide) applied directly onto the filter layer and a layer (17) consisting of a dielectric material having a low refractive index (magnesium fluoride).

IPC 8 full level

C03C 17/34 (2006.01); **G02B 1/11** (2006.01); **G02B 5/20** (2006.01); **G02B 5/22** (2006.01)

CPC (source: EP KR US)

G02B 5/20 (2013.01 - KR); **G02B 5/208** (2013.01 - EP US)

Cited by

EP1411374A4; US7261931B2

Designated contracting state (EPC)

DE NL

DOCDB simple family (publication)

EP 1260835 A2 20021127; EP 1260835 A3 20031119; EP 1260835 B1 20060719; DE 10127225 A1 20021128; DE 50207537 D1 20060831; JP 2003050311 A 20030221; KR 20020089201 A 20021129; US 2002191310 A1 20021219; US 2005179996 A1 20050818; US 7196842 B2 20070327

DOCDB simple family (application)

EP 02011010 A 20020517; DE 10127225 A 20010522; DE 50207537 T 20020517; JP 2002143012 A 20020517; KR 20020028424 A 20020522; US 15189202 A 20020522; US 99805004 A 20041129